



532223

SITE DESCRIPTION/EXECUTIVE SUMMARY

Site Name and Location

Paramount Die Cast - Stevensville
4947 Red Arrow Hwy.
Stevensville, MI 49127

County: Berrien
Michigan Code Number: 11-05S-19W-21AA
DNR District: Plainwell
EPA ID Number: MID005135785

SAS Score/Screen No.: 06

Paramount Die Casting Co. has a history of environmental contamination. In the past the company has used hydraulic oils containing PCB's. Soil and groundwater at the site were contaminated from waste being disposed of in a lagoon and seepage from a tile field. Contamination affected the upper aquifer and extended down to the first clay layer at 35-40 feet. An extensive cleanup of contaminated soils was accomplished at the site in 1982.

In 1984 and again on May 7 of this year a substance thought to be soluble oil was observed leaking onto the ground surface. The discharge was caused by a leak in a closed loop system. The discharge is potentially harmful to the groundwater. Drinking water wells do not seem to be in danger of being contaminated.

Paramount Cast Co. has been notified by the Plainwell District Office staff that they are responsible for conducting a hydrogeological study to determine the extent of horizontal and vertical contamination. The goal of the study is to set up a remedial action plan to return soils and groundwater to their original condition.

Follow Up Recommendation for EPA

This site receives a medium priority for inspection. Paramount Die Cast is expected to cooperate and complete the hydrogeologic investigation and cleanup measures necessary.

Date of Previous Summary: 10-26-84
Previous Author: B. Page

Current Date: 5-27-86
Author: J. Rodin/
C. Wallace

Site Assessment Unit
Groundwater Quality Division
Michigan Dept. of Natural Resources



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
MID 005135785

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) PARAMOUNT DIE CAST - STEVENSVILLE		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 4947 RED ARROW HWY			
03 CITY STEVENSVILLE	04 STATE MI	05 ZIP CODE 49127	06 COUNTY BERRIEN	07 COUNTY CODE 21	08 CONG DIST 04
09 COORDINATES LATITUDE 42° 01' 37" -		LONGITUDE 86° 30' 58" -		STEVENSVILLE QUAD. MECH. 7.5 MIN	
10 DIRECTIONS TO SITE (Starting from nearest public road) TAKE RED ARROW HWY. N. FROM STEVENSVILLE.					

III. RESPONSIBLE PARTIES

01 OWNER (if known) HAYES - ALBION CORPORATION		02 STREET (Business, mailing, residential) 1999 WILDWOOD AVE			
03 CITY JACKSON	04 STATE MI	05 ZIP CODE 49206	06 TELEPHONE NUMBER ()		
07 OPERATOR (if known and different from owner) PARAMOUNT DIE CASTING CO.		08 STREET (Business, mailing, residential)			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER 1616 429-3211		
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: _____ MONTH DAY YEAR ☐ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: _____ MONTH DAY YEAR ☒ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 5/21/86 MONTH DAY YEAR <input type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input checked="" type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____			
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION 1947 CURRENT BEGINNING YEAR ENDING YEAR <input type="checkbox"/> UNKNOWN			

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

PCBS TOXIC / PERSISTANT
INORGANICS
OILY WASTE

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

SOIL POPULATION /
GROUND WATER ENVIRONMENT
DRINKING WATER
SURFACE WATER

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)
☐ A. HIGH (Inspection required promptly) ☒ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT GALEN KILMER, DIST. SUP.		02 OF (Agency/Organization) MI DNR GROUNDWATER - PLAINWELL		03 TELEPHONE NUMBER 1616 685-9886	
04 PERSON RESPONSIBLE FOR ASSESSMENT JEFF ROSEN / C. WALLACE		05 AGENCY MI DNR	06 ORGANIZATION GROUNDWATER	07 TELEPHONE NUMBER 1517 777-4800	08 DATE 5/27/86 MONTH DAY YEAR



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
26 005135185

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 <input checked="" type="checkbox"/> A. GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: <u>7638</u>	02 <input checked="" type="checkbox"/> OBSERVED (DATE: <u>11-82</u>) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
<i>Groundwater contamination has occurred at the site of the tile field. Contamination highest in upper aquifer and extends down to first clay layer 35-40'.</i>		
01 <input checked="" type="checkbox"/> B. SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: <u>7638</u>	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
<i>Potential from groundwater contamination plume reaching Lake Michigan 1 mi. West of site.</i>		
01 <input checked="" type="checkbox"/> C. CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED: <u>22096</u>	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
<i>Potential from volatile components present in soluble oil, exposed to atmosphere.</i>		
01 <input type="checkbox"/> D. FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
<i>N/A</i>		
01 <input checked="" type="checkbox"/> E. DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED: <u>1056</u>	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
<i>Potential from exposure to spills of soluble oil and fluids that have occurred at site.</i>		
01 <input checked="" type="checkbox"/> F. CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED: <u>1+</u> (Acres)	02 <input checked="" type="checkbox"/> OBSERVED (DATE: <u>11-82</u>) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
<i>Plant located on 10.2 acre site. Area of tile field has been contaminated with sludge and soluble oil from hydraulic presser.</i>		
01 <input checked="" type="checkbox"/> G. DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED: <u>7638</u>	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
<i>Possible from groundwater affecting local residential drinking water wells.</i>		
01 <input checked="" type="checkbox"/> H. WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED: <u>50</u>	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
<i>Potential from exposure to old hydraulic press oil containing PCB's.</i>		
01 <input checked="" type="checkbox"/> I. POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED: _____	02 <input type="checkbox"/> OBSERVED (DATE: _____) 04 NARRATIVE DESCRIPTION	<input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
<i>Potential - see section 6.</i>		



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
26 005135785

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL ☐ ALLEGED

Potential from contamination affecting local agriculture
orchard land.

01 ☒ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL ☐ ALLEGED

Potential from contamination reaching Lake Michigan
and affecting fish.

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL ☐ ALLEGED

N/A

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES
(Spills/runoff/standing liquids/leaking drums)

02 ☒ OBSERVED (DATE: 5-2-86)

☐ POTENTIAL ☒ ALLEGED

03 POPULATION POTENTIALLY AFFECTED: 3716

04 NARRATIVE DESCRIPTION

Discharge of oily substance observed from ground behind Paramount
plant site.

01 ☒ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL ☐ ALLEGED

Potential from surface runoff or groundwater
contamination plume.

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL ☐ ALLEGED

Potential from surface runoff to storm drains

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL ☐ ALLEGED

N/A

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

NONE

III. TOTAL POPULATION POTENTIALLY AFFECTED: 7638

IV. COMMENTS

May 7-1986, observed leak of oily fluid to surface

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

Mich. DNR Plainville test files